

**AMENDMENTS TO THE CLAIMS**

In accordance with Rule 1.121, a complete claim listing is presented below, including appropriate status identifiers. Changes in the amended claims are shown by strikethrough for deleted material, and by underlining for added material.

1-27. (Cancelled)

28. (Previously Presented) A ceramic coated fiber, comprising:

(a) a fiber, and

(b) ceramic, coated on the fiber,

wherein the ceramic has a BET surface area of at least  $200 \text{ m}^2/\text{g}$ , and the ceramic comprises at least one member selected from the group consisting of  $\text{Al}_2\text{O}_3$ ,  $\text{ZrO}_2$ , and  $\text{MgO}$ .

29. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of  $200 \text{ m}^2/\text{g}$  to  $300 \text{ m}^2/\text{g}$ .

30. (Previously presented) The ceramic coated fiber of claim 28, wherein the ceramic accounts for 10 to 90% by weight of the ceramic coated fiber.

31. (Previously presented) The ceramic coated fiber of claim 28, wherein the ceramic further comprises silver and/or palladium.

32. (Cancelled)

33. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of  $200 \text{ m}^2/\text{g}$  to  $2000 \text{ m}^2/\text{g}$ .

34. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of  $200 \text{ m}^2/\text{g}$  to  $500 \text{ m}^2/\text{g}$ .

35-44. (Cancelled)

45. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of at least  $500 \text{ m}^2/\text{g}$ .

46. (New) A ceramic coated fiber, comprising:  
(a) a fiber, and  
(b) ceramic, coated on the fiber,  
wherein the ceramic has a BET surface area of at least 200 m<sup>2</sup>/g, and  
the ceramic comprises crystalline ceramic.
47. (New) The ceramic coated fiber of claim 46, wherein the ceramic  
comprises TiO<sub>2</sub> and/or TiON having an anatase structure.
48. (New) The ceramic coated fiber of claim 46, wherein the ceramic  
comprises at least one member selected from the group consisting of TiO<sub>2</sub>, TiON,  
TiOS, Al<sub>2</sub>O<sub>3</sub>, ZrO<sub>2</sub>, and MgO.
49. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a  
BET surface area of 200 m<sup>2</sup>/g to 300 m<sup>2</sup>/g.
50. (New) The ceramic coated fiber of claim 46, wherein the ceramic  
comprises 10 to 90% by weight of the ceramic coated fiber.
51. (New) The ceramic coated fiber of claim 46, further comprising silver  
and/or palladium.
52. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a  
BET surface area of 200 m<sup>2</sup>/g to 2000 m<sup>2</sup>/g.
53. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a  
BET surface area of 200 m<sup>2</sup>/g to 500 m<sup>2</sup>/g.
54. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a  
BET surface area of at least 500 m<sup>2</sup>/g.